

RAW SEQUENCE LISTING

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Application Serial Number: 10/084,638
Source: JFW16
Date Processed by STIC: 10/20/2005

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IFW16

RAW SEQUENCE LISTING

DATE: 10/20/2005

PATENT APPLICATION: US/10/084,638

TIME: 11:10:24

Input Set : A:\51192177.txt

Output Set: N:\CRF4\10202005\J084638.raw

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3 <110> APPLICANT: BABICH, MICHAEL
5 <120> TITLE OF INVENTION: COMPOSITIONS OF MULTIMERIC PROFILIN FOR DIAGNOSIS AND
6   TREATMENT OF ALLERGIES
8 <130> FILE REFERENCE: 21511-92177
10 <140> CURRENT APPLICATION NUMBER: 10/084,638
11 <141> CURRENT FILING DATE: 2002-02-27
13 <150> PRIOR APPLICATION NUMBER: 60/272,149
14 <151> PRIOR FILING DATE: 2001-02-28
16 <160> NUMBER OF SEQ ID NOS: 31
18 <170> SOFTWARE: PatentIn Ver. 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 134
22 <212> TYPE: PRT
23 <213> ORGANISM: Apium graveolens
25 <400> SEQUENCE: 1
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27   1           5           10           15
29 Gly Asn Pro Gly Gln Thr Leu Thr Ala Ala Ala Ile Ile Gly His Asp
30           20           25           30
32 Gly Ser Val Trp Ala Gln Ser Ser Thr Phe Pro Gln Ile Lys Pro Glu
33           35           40           45
35 Glu Ile Ala Gly Ile Met Lys Asp Phe Asp Glu Pro Gly His Leu Ala
36           50           55           60
38 Pro Thr Gly Leu Tyr Leu Gly Gly Ala Lys Tyr Met Val Ile Gln Gly
39   65           70           75           80
41 Glu Pro Asn Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Val Thr
42           85           90           95
44 Ile Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Val Tyr Asp Glu Pro
45           100          105          110
47 Val Thr Pro Gly Gln Cys Asn Val Ile Val Glu Arg Leu Gly Asp Tyr
48           115          120          125
50 Leu Ile Asp Gln Gly Leu
51           130
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 131
56 <212> TYPE: PRT
57 <213> ORGANISM: Arachis hypogaea
59 <400> SEQUENCE: 2
60 Met Ser Trp Gln Thr Tyr Val Asp Asn His Leu Leu Cys Glu Ile Glu
61   1           5           10           15
63 Gly Asp His Leu Ser Ser Ala Ala Ile Leu Gly Gln Asp Gly Gly Val
64           20           25           30
66 Trp Ala Gln Ser Ser His Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr

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67          35          40          45
69 Ala Ile Met Asn Asp Phe Ala Glu Pro Gly Ser Leu Ala Pro Thr Gly
70          50          55          60
72 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
73 65          70          75          80
75 Ala Ile Ile Pro Gly Lys Lys Gly Pro Gly Gly Val Thr Ile Glu Lys
76          85          90          95
78 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Lys Pro Met Thr Pro
79          100          105          110
81 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
82          115          120          125
84 Thr Gly Leu
85          130
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 133
90 <212> TYPE: PRT
91 <213> ORGANISM: Betula pendula
93 <400> SEQUENCE: 3
94 Met Ser Trp Gln Thr Tyr Val Asp Glu His Leu Met Cys Asp Ile Asp
95 1          5          10          15
97 Gly Gln Ala Ser Asn Ser Leu Ala Ser Ala Ile Val Gly His Asp Gly
98          20          25          30
100 Ser Val Trp Ala Gln Ser Ser Ser Phe Pro Gln Phe Lys Pro Gln Glu
101          35          40          45
103 Ile Thr Gly Ile Met Lys Asp Phe Glu Glu Pro Gly His Leu Ala Pro
104          50          55          60
106 Thr Gly Leu His Leu Gly Gly Ile Lys Tyr Met Val Ile Gln Gly Glu
107 65          70          75          80
109 Ala Gly Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Ile Thr Ile
110          85          90          95
112 Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Ile Tyr Glu Glu Pro Val
113          100          105          110
115 Thr Pro Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu
116          115          120          125
118 Ile Asp Gln Gly Leu
119          130
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 131
124 <212> TYPE: PRT
125 <213> ORGANISM: Cynodon dactylon
127 <400> SEQUENCE: 4
128 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
129 1          5          10          15
131 Gly His His Leu Thr Ser Ala Ala Ile Ile Gly His Asp Gly Thr Val
132          20          25          30
134 Trp Ala Gln Ser Ala Ala Phe Pro Ala Phe Lys Pro Glu Glu Met Ala
135          35          40          45
137 Asn Ile Met Lys Asp Phe Asp Glu Pro Gly Phe Leu Ala Pro Thr Gly
138          50          55          60

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140 Leu Phe Leu Gly Pro Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
141 65 70 75 80
143 Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Val Thr Val Lys Lys
144 85 90 95
146 Thr Gly Gln Ala Leu Val Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
147 100 105 110
149 Gly Gln Cys Asn Met Val Ile Glu Lys Leu Gly Asp Tyr Leu Ile Glu
150 115 120 125
152 Gln Gly Met
153 130
156 <210> SEQ ID NO: 5
157 <211> LENGTH: 131
158 <212> TYPE: PRT
159 <213> ORGANISM: Glycine max
161 <400> SEQUENCE: 5
162 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Leu Cys Asp Ile Glu
163 1 5 10 15
165 Gly Asn His Leu Thr His Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
166 20 25 30
168 Trp Ala Gln Ser Thr Asp Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr
169 35 40 45
171 Ala Ile Met Asn Asp Phe Asn Glu Pro Gly Ser Leu Ala Pro Thr Gly
172 50 55 60
174 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
175 65 70 75 80
177 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
178 85 90 95
180 Thr Gly Ala Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
181 100 105 110
183 Gly Gln Cys Asn Met Val Val Glu Arg Pro Gly Asp Tyr Leu Ile Asp
184 115 120 125
186 Gln Gly Tyr
187 130
190 <210> SEQ ID NO: 6
191 <211> LENGTH: 131
192 <212> TYPE: PRT
193 <213> ORGANISM: Glycine max
195 <400> SEQUENCE: 6
196 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Leu Cys Gly Ile Glu
197 1 5 10 15
199 Gly Asn His Leu Thr His Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
200 20 25 30
202 Trp Leu Gln Ser Thr Asp Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr
203 35 40 45
205 Ala Ile Met Asn Asp Phe Asn Glu Pro Gly Ser Leu Ala Pro Thr Gly
206 50 55 60
208 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
209 65 70 75 80
211 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys

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212                85                90                95
214 Thr Gly Ala Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
215                100                105                110
217 Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
218                115                120                125
220 Gln Gly Tyr
221        130
224 <210> SEQ ID NO: 7
225 <211> LENGTH: 133
226 <212> TYPE: PRT
227 <213> ORGANISM: Helianthus annuus
229 <400> SEQUENCE: 7
230 Met Ser Trp Gln Ala Tyr Val Asp Glu His Leu Met Cys Asp Ile Glu
231    1                5                10                15
233 Gly Thr Gly Gln His Leu Thr Ser Ala Ala Ile Leu Gly Leu Asp Gly
234                20                25                30
236 Thr Val Trp Ala Gln Ser Ala Lys Phe Pro Gln Phe Lys Pro Glu Glu
237                35                40                45
239 Met Lys Gly Ile Ile Lys Glu Phe Asp Glu Ala Gly Thr Leu Ala Pro
240                50                55                60
242 Thr Gly Met Phe Ile Ala Gly Ala Lys Tyr Met Val Leu Gln Gly Glu
243    65                70                75                80
245 Pro Gly Ala Val Ile Arg Gly Lys Lys Gly Ala Gly Gly Ile Cys Ile
246                85                90                95
248 Lys Lys Thr Gly Gln Ala Met Ile Met Gly Ile Tyr Asp Glu Pro Val
249                100                105                110
251 Ala Pro Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu
252                115                120                125
254 Leu Glu Gln Gly Met
255        130
258 <210> SEQ ID NO: 8
259 <211> LENGTH: 131
260 <212> TYPE: PRT
261 <213> ORGANISM: Hevea brasiliensis
263 <400> SEQUENCE: 8
264 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
265    1                5                10                15
267 Gly Asn His Leu Ser Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
268                20                25                30
270 Trp Ala Gln Ser Ala Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
271                35                40                45
273 Gly Ile Met Ser Asp Phe His Glu Pro Gly Thr Leu Ala Pro Thr Gly
274                50                55                60
276 Leu Tyr Ile Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
277    65                70                75                80
279 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
280                85                90                95
282 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
283                100                105                110

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285 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
286      115      120      125
288 Gln Gly Tyr
289      130
292 <210> SEQ ID NO: 9
293 <211> LENGTH: 131
294 <212> TYPE: PRT
295 <213> ORGANISM: Hevea brasiliensis
297 <400> SEQUENCE: 9
298 Met Ser Trp Gln Thr Tyr Val Asp Glu Arg Leu Met Cys Glu Ile Glu
299      1      5      10      15
301 Gly Asn His Leu Thr Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
302      20      25      30
304 Trp Ala Gln Ser Ser Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
305      35      40      45
307 Ala Ile Met Ser Asp Phe Asp Glu Pro Gly Thr Leu Ala Pro Thr Gly
308      50      55      60
310 Leu His Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Ala Gly
311      65      70      75      80
313 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Arg Lys
314      85      90      95
316 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
317      100      105      110
319 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Leu Glu
320      115      120      125
322 Gln Gly Met
323      130
326 <210> SEQ ID NO: 10
327 <211> LENGTH: 131
328 <212> TYPE: PRT
329 <213> ORGANISM: Hevea brasiliensis
331 <400> SEQUENCE: 10
332 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
333      1      5      10      15
335 Gly Asn His Leu Ser Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
336      20      25      30
338 Trp Ala Gln Ser Ala Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
339      35      40      45
341 Gly Ile Met Ser Asp Phe His Glu Pro Gly Thr Leu Ala Pro Thr Gly
342      50      55      60
344 Leu Tyr Ile Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
345      65      70      75      80
347 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
348      85      90      95
350 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
351      100      105      110
353 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
354      115      120      125
356 Gln Gly Tyr

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VERIFICATION SUMMARY

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